

PRODUCT INFORMATION/FINISHES

SUPERSTRUT FINISHES

GoldGalv™

Thomas & Betts Superstrut products are provided in a wide variety of finishes to meet most metal framing needs. GoldGalv finish is standard for all Superstrut products. This is a multi-process finish of electro-plated zinc, followed by gold colored zinc dichromate to give excellent corrosion resistance and superior paint base.

The .5 mil electrogalvanized plating, rather than a standard galvanized coating, creates a cohesive molecular bond between the zinc and the steel. This resists future blistering or peeling, since corrosion cannot penetrate the bond. The plating is performed in compliance with ASTM specifications (B 633-85.) Electrogalvanizing provides an even distribution of zinc even on threads, unlike other galvanizing methods.

The GoldGalv hardware finish also provides a low electrical resistance when grounding of the system is required. Superstrut channel and fittings are plated after fabrication, so there are no unprotected edges from cutting or punching. The distinctive gold color of Superstrut products identifies your job as providing the superior GoldGalv hardware protection you expect from the industry leader. Thomas & Betts provides the widest variety of finishes in the industry. Check through the following finish types to select the one most suited to your needs and budget.

Green or White Urethane Powder Coated (Suffix GR or WH)

Urethane powder resins are applied electrostatically to the steel after fabrication. A minimum of 1.5 mil thickness of urethane chemically bonded coating provides excellent resistance to chipping or peeling.

Pregalvanized (Suffix PG)

A zinc coating is applied by hot-dipping the steel coils at the mill prior to fabrication. Superstrut pregalvanized material is in conformance with ASTM A-525/G-90 specification standards, providing 0.90 ounces of zinc per square foot of steel.

Hot-Dipped Galvanized (Suffix HDG)

The material is zinc coated after fabrication providing total product protection on all surfaces. The result is a coherent bond for superior corrosion resistance as compared to pregalvanized material. Hot-dipped galvanizing is not recommended for threaded products.

Superstrut hot-dipped galvanized is in conformance with ASTM Specifications A-123, Grade 65. A minimum of 2.5 mils thickness is maintained.

Electrogalvanized (Suffix EG)

Steel and .5 mils of zinc are bonded by an electrolysis process. This is the identical process used in the GoldGalv hardware finish without the numerous benefits of the gold colored dichromate conversion coat. Electrogalvanizing is most commonly applied to small fittings, hardware, and threaded products.

PVC Coated (Suffix PVC)

A polyvinyl chloride (PVC) plastic coating is fused to the channel, fitting or accessory after fabrication by immersing the part in fluidized PVC tanks. The fused-melt mixed powder PVC coating thickness is 15 mils (.015") plus or minus five mils. PVC material is a thermoplastic and will soften in high temperatures. <u>Threaded Products</u> <u>Are Not Available In PVC Coating.</u>

Copper Plated, Pipe Straps and Hangers only, (Suffix "T" inserted as the second digit of the part number; example: CTL-710-2)

Plain steel is rinsed thoroughly to clean the material surface. Once cleaned, the fabricated part is acid etched to prepare the surface for adhesion. Copper is electrically applied. To seal the finish, the products continue to a sealer tank and are then dried.

Black (Suffix B)

A black finish is raw steel with only a light oil finish as supplied by the steel manufacturer. There is no protection against red rust.

Stainless Steel (Suffix SS)

Superstrut channel is supplied in type 304 stainless steel. Type 316 stainless steel, (Suffix SS 316), may be available upon request.

Aluminum (Suffix AL)

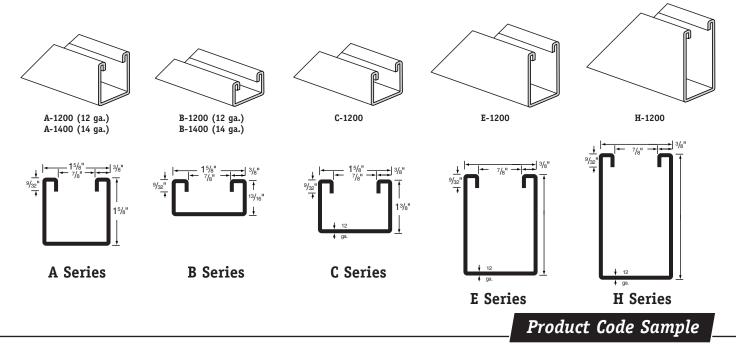
Superstrut channel and hardware are available in aluminum.

CHANNEL/SLOTTED CHANNEL SERIES

Steel Channels

GoldGalv[®] finish • ⁷/₈" Continuous Slot. • 10 ft and 20 ft. lengths.

Also available in pre-galvanized, green, hot dipped galvanized, stainless steel, aluminum, and PVC coated.



Product Identification Code Selection and Example

When specifying or ordering a Thomas & Betts channel product from the catalog, specify the product series model number as shown, select gauge, if needed specify hole designation such as HS for half slot, then length and finally the material finish suffix shown on the previous page such as SS for stainless steel.

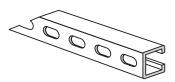
Example: To specify a 12 gauge, 1⁵/8" channel with half slot in stainless steel, 10', your code designation would be A-1200-HS-10-SS.

Note: If no other finish is selected, our standard GoldGalv finish will be provided.

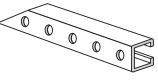
A-1200-HS-10-SS

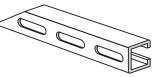
Α	Product Series Number
1200	Gauge Thickness
HS	Hole Configuration Type (If No Holes Are Required Leave Blank)
10	Length in feet
SS	Material finishes suffix (SS for Stainless Steel)

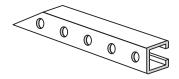
Hole Configurations



Half Slot Channel (HS) A-1200-HS 1⁵/8" x 1⁵/8" B-1200-HS 1⁵/8" x ¹³/16" C-1200-HS 1⁵/8" x 1³/8" E-1200-HS 1⁵/8" x 2⁷/16" H-1200-HS 1⁵/8" x 3¹/4" A-1400-HS 1⁵/8" x 1⁵/8" B-1400-HS 1⁵/8" x ¹³/16" 9/16" x 11/8" slots on 2" centers





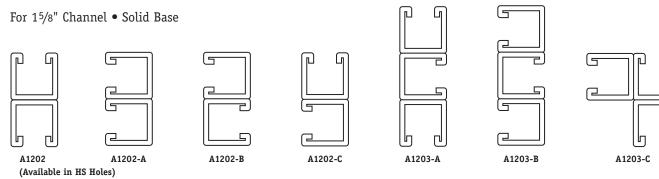


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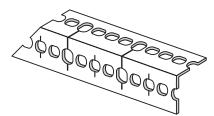
Combination Channel

CHANNEL/SLOTTED CHANNEL/CONCRETE INSERTS

"A" Series Section (Also available in "B", "E", "H", &"C" Series Sections)



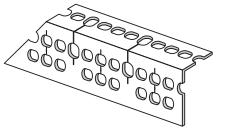
Slotted Angle



RA-160 Slotted Angle

Cat. No.	Length
RA-160-10	10"
RA-160-12	12"
Type RA-160	
15/8" x 15/8" x	.080" (14 gauge)
21	.080" (14 gauge)

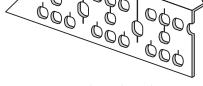
Concrete Inserts/Other Items



RA-225 Slotted Angle Heavy Duty

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Cat. No.	Length
RA-225-10	10"
RA-225-12	12"
Type RA-225	

2³/8" x 1⁵/8" x .080" (14 gauge)



RA-300 Slotted Angle Extra Heavy Duty

Cat. No.	Length
RA-300-10	10"
RA-300-12	12"

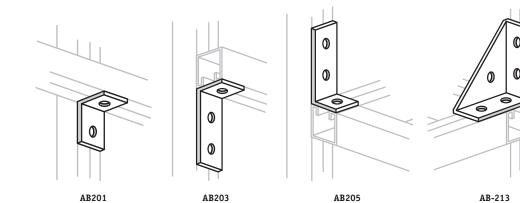
Type RA-300 3¹/4" x 1⁵/8" x .104" (12 gauge)

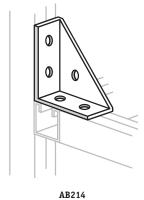
15/8" C-475 Depth Adjustment 452-Spot Insert $1^{3}/_{8}$ in Field IT Knockout C-302 Concrete Insert C-804 End Cap RAC - Portable Cutter Nuts Serrated for Self Locking - RABN **RA-GP Gusset Plate** 0 0 **Rigid and Swivel Casters** B-302 Concrete Insert 15/8 ¹³/16" **RA-RC Rigid Center RA-SC Swivel Caster** 5 B-804 End Cap

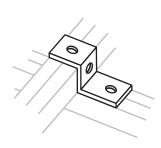
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CHANNEL/SLOTTED CHANNEL/CONCRETE INSERTS 4

CHANNEL FITTINGS







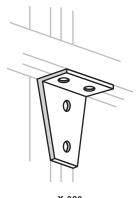
A-209 For attaching "A" series channel



AB274

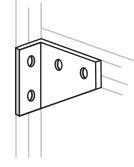
0 0

X-204

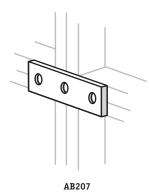


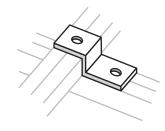
X-289

X-201

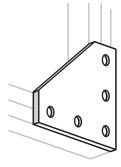


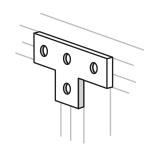
AB-254



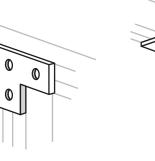


B-209 For attaching "B" series channel

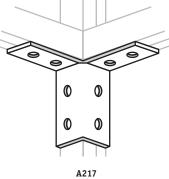


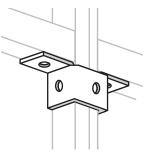


AB263



AB220



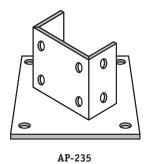


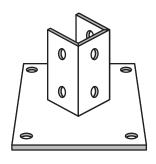
AW220

CHANNEL FITTINGS

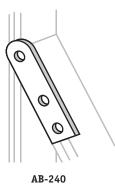


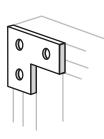
CHANNEL FITTINGS



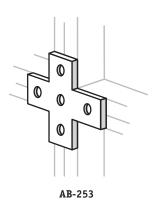


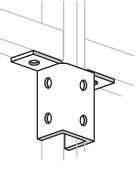
AP-232



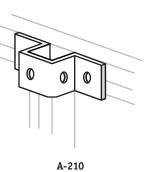


AB-219

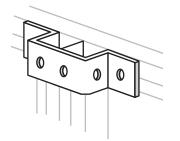




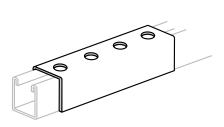
AW-224



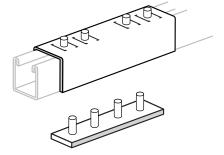
A-211



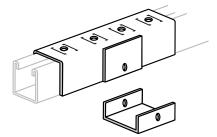
A-212



A-208 For attaching "A" series channel



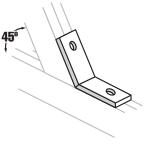
A-802 Furnished complete with nuts



A822 Furnished with Hardware

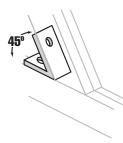
QUICK REFERENCE GUIDE

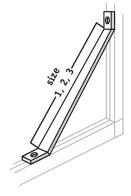
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AB-227

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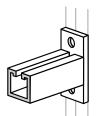




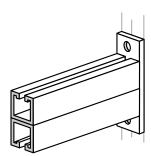
AB-225



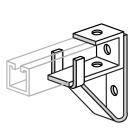
SUPPORT BRACKETS



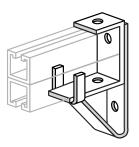
S-250 Series



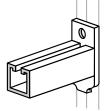
S-251 Series



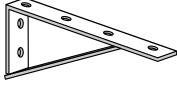
S-247



S-248





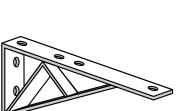


S-217



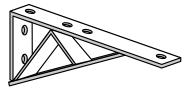
S-204





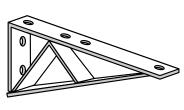
QUICK REFERENCE GUIDE

S-218



S-222

S-226







S-201 L,R



Hardware/Threaded Rod

HARDWARE/THREADED ROD

THREADED ROD

H-104 Hanger Rod Continuous Thread Standard Finish: Goldgalv

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Cat. No.	Thread Size
H-104 – ½ x 6	
H-104 - 1/4 x 10	¹ /4" - 20
H-104 - 1/4 x 12	
H-104 – ³ /8 x 6	
H-104 - ³ /8 x 10	³ /8" - 16
H-104 - ³ /8 x 12	
H-104 - ½ x 6	
H-104 - ¹ / ₂ x 10	¹ /2" - 13
H-104 - ½ x 12	
H-104 - ⁵ /8 x 6	
H-104 - ⁵ /8 x 10	5/8" - 11
H-104 - ⁵ /8 x 12	

Hanger Rod Load Chart			
Ultimate+			
Rod Size	Load in Lbs.		
¹ /4 - 20	900		
³ /8 - 16	1900		
¹ /2 - 13	3500		
⁵ /8 - 11	6000		
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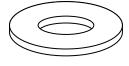
++Safety factor of 3.

H-119 Steel Rod Coupling



H-119 Steel Rod Coupling		
Cat. No. Rod Size		
H-119 - ¹ /4	1/4	
H-119 - ³ /8	3/8	
H-119 - ¹ /2	1/2	
H-119 - ⁵ /8	5/8	

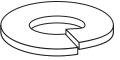
E-147 Flat Steel Washer



E-147 Flat Steel Washer

	Size in	Wt.in
Cat. No.	Inches	Lbs./C
E-147 - ¹ /4	1/4	.67
E-147 – ⁵ /16	⁵ /16	1.2
E-147 – ³ /8	3/8	2.0
E-147 – ¹ /2	1/2	3.85
E-147 – ⁵ /8	5/8	7.70
E-147 - ³ /4	3/4	9

E-148 Lock Washer



E-148 Lock Washer

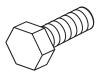
	Size in	Wt. in
Cat. No.	Inches	Lbs./C
E-148 - ¹ /4	1/4	.259
E-148 – ³ /8	3/8	.55
E-148 - 1/2	1/2	1.436
E-148 – ⁵ /8	5/8	2.587
E-148 – ³ /4	3/4	4.293

8

THREADED HARDWARE

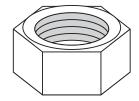
E-142 Hex Head

		Wt./Lb.
Cat. No.	Size	Per 100
E-142 - 1/4 x 1	1/4 x 1	1
E-142 - 1/4 x 11/4	¹ /4 x 1 ¹ /4	2
E-142 - ¹ / ₄ x 1 ¹ / ₂	¹ /4 x 1 ¹ /2	2
E-142 - ¹ / ₄ x 2 ¹ / ₄	¹ /4 x 2 ¹ /4	3
E-142 - ³ /8 x ³ /4	³ /8 x ³ /4	3
E-142 – ³ /8 x 1	³ /8 x 1	4
E-142 - ³ /8 x 1 ¹ /4	³ /8 x 1 ¹ /4	4
E-142 - ³ /8 x 1 ¹ /2	³ /8 x 1 ¹ /2	5
E-142 - ³ /8 x 2 ¹ /4	³ /8 x 2 ¹ /4	7
E-142 - 1/2 x 15/16	¹ /2 x ¹⁵ / ₁₆	9
E-142 - 1/2 x 11/4	¹ /2 x 1 ¹ /4	9
E-142 - 1/2 x 11/2	¹ /2 x 1 ¹ /2	10
E-142 – ¹ /2 x 2	¹ /2 x 2	14
<u>E-142 - 1/2 x 21/2</u>	¹ /2 x 2 ¹ /2	16



E-142 Hex Head Cap Screw (less nut)

For Connections of fittings to channels, use H-113-A for ³/4" deep channels and H-113-B for all other channels. Galv-Krõm^{*} finish.



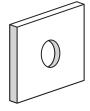
E-145 Hex Nut

E-145 HEX NUL			
		Wt./Lb.	
Cat. No.	Size	Per 100	
E-145 - 1/4	1/4	1.2	
E-145 - ⁵ /16	5/16	2.0	
E-145 – ³ /8	3/8	3.2	
E-145 - 1/2	1/2	5	
E-145 – ⁵ /8	5/8	9	
E-145 - ³ /4	3/4	13	

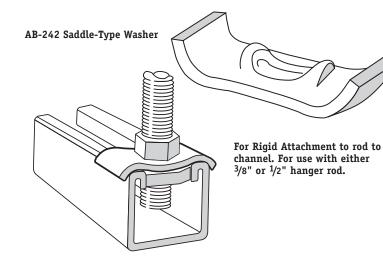
E-145 Hex Nut For Cap Screw applications. Galv-Krõm[®] finish.

AB-241 Square Washer

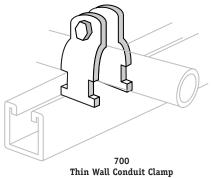
	Dimen. in Inches		Wt. in	
Cat. No.	Size	Thickness	Lbs./C	
AB-241 - 1/4	1/4	1/8	8.1	
AB-241 - 5/16	5/16	1/8	8.0	
AB-241 – ³ /8	3/8	3/16	11.50	
AB-241 - 1/2	1/2	1/4	14.36	
AB-241 – ⁵ /8	5/8	1/4	13.50	
AB-241 – ³ /4	3/4	1/4	12.50	A
AB-241 - 7/8	7/8	1/4	13.0	

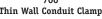


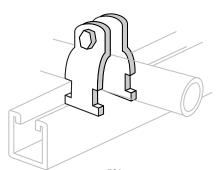
B-241 Square Washer



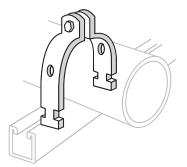
CONDUIT AND PIPE HANGERS



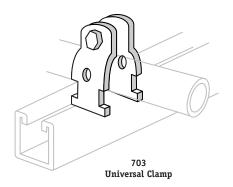


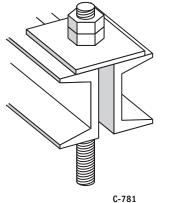


701 OD Tubing Pipe Clamps

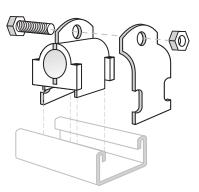


702 Pipe and Rigid or IMC Conduit Clamp

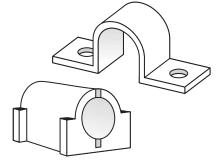




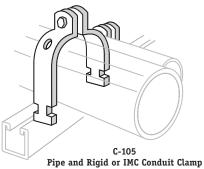
Mechanical I-Beam Washer

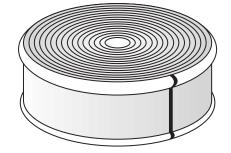


Cushioned Pipe A-716 Tube Series / P-716 Pipe Series

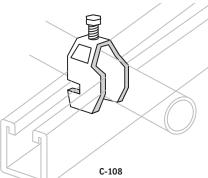


Cushioned Pipe Strap U-716, U-717 Omega Series





S-716 Cush-A-Strip



Universal Pipe Strap





6H Series

6H-B Series





REFERENCE GUIDE

6H-TB **Threaded Series**

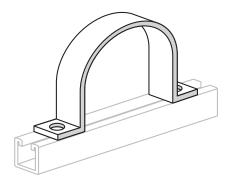
0 U I C

6H-T **Threaded Series**

6H Series **Conduit and Pipe Hanger** Standard Finish - Electro-Galvanized (EG)

CONDUIT AND PIPE HANGERS

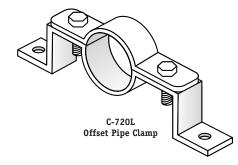
PIPE HANGERS

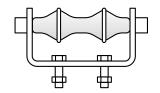


C-708-U Short Strap for Channel or Wall Mounting Carbon Steel

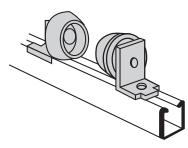


C-711 "J" Pipe Hanger

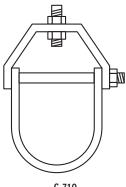




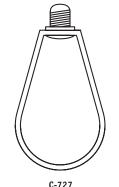
CR-729 Roller Support



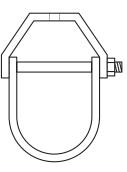
C-728



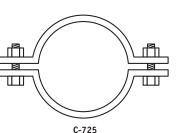
C-710 Adjustable Clevis Hanger



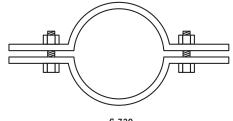
C-727 Adjustable Ring Standard/NFPA



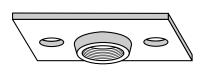
CL-710 Light Duty Clevis Hanger



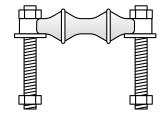
C-725 Medium Pipe Clamp



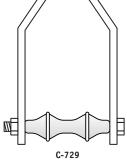
C-720 Riser Clamp



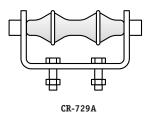
M-742-R Ceiling Flange

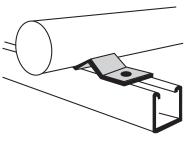


RC-729



Adjustable Steel Yoke Pipe Roll





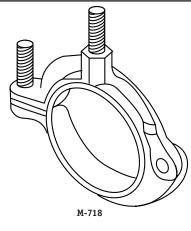


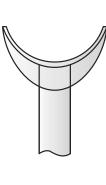
QUICK REFERENCE GUIDE

С-728-Н

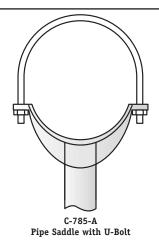
PIPE HANGERS

PIPE HANGERS

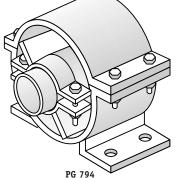




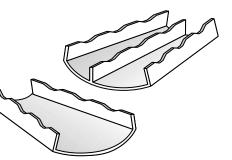
C-785 Pipe Saddle Support



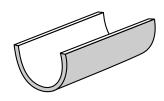
C-786 Adjustable Pipe Saddle Support



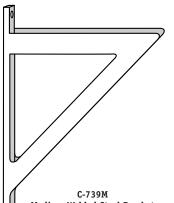
PG 794 Pipe Alignment Guide



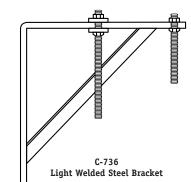
C-789 Series Pipe Covering Protection Saddle

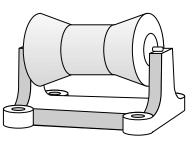


C-790 **Insulation Protection Shield**



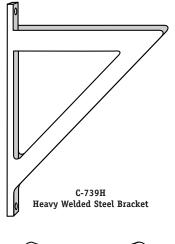
C-739M Medium Welded Steel Bracket

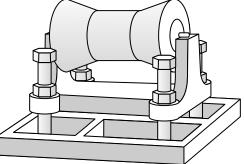




C-730C Adjustable Pipe Roll Stand

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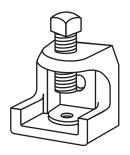




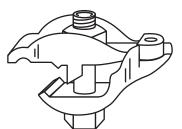
C-730-D Adjustable Pipe Roll Stand With Base Plate

QUICK REFERENCE GUIDE

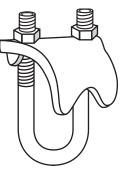
BEAM CLAMPS (CONDUIT CLAMPS, MECHANICAL BEAM CLAMPS, BEAM CLAMPS for Mounting Channels)



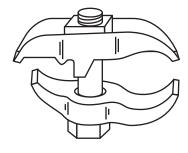
500 Series Beam Clamp



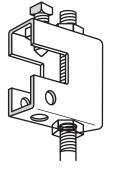
EC Clamp Malleable Iron



RC Clamp Malleable Iron RCS Clamp - Steel



PC Clamp Malleable Iron



U-562 Beam Clamp

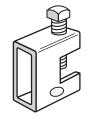


U-571, U-572 Conduit Clamp

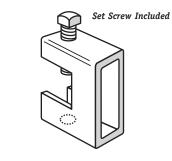
U-563

Beam Clamp

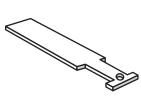
Set Screw Included



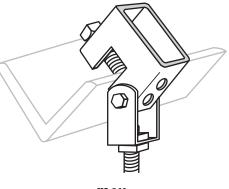
U-560 Heavy Duty Beam Clamp



U-564 Wide-Mouthed Heavy Duty Beam Clamp

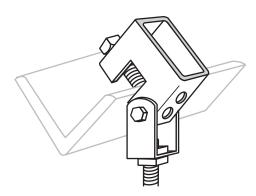


U-568 Beam Clamp Safety Strap

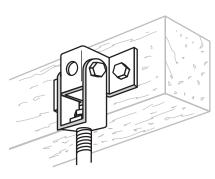


US-563 Beam Clamp with Swing Hanger

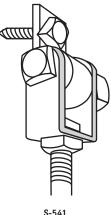
Uperstrut[®]



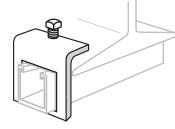
US-562 Beam Clamp with Swing Hanger



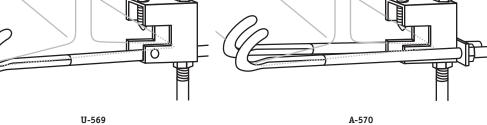
U-577 Clevis and Swing Connector



S-541 Swing Connector

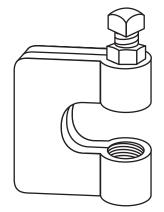


A-597 Channel Support Beam Clamp



Beam Clamp

A-570 Beam Clamp with Safety Rod

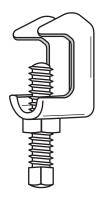


C-775L Clamp with Lock Nut

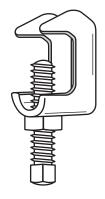


M-775L Clamp with Lock Nut

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C-777 Steel Top Beam Clamp with Lock Nut

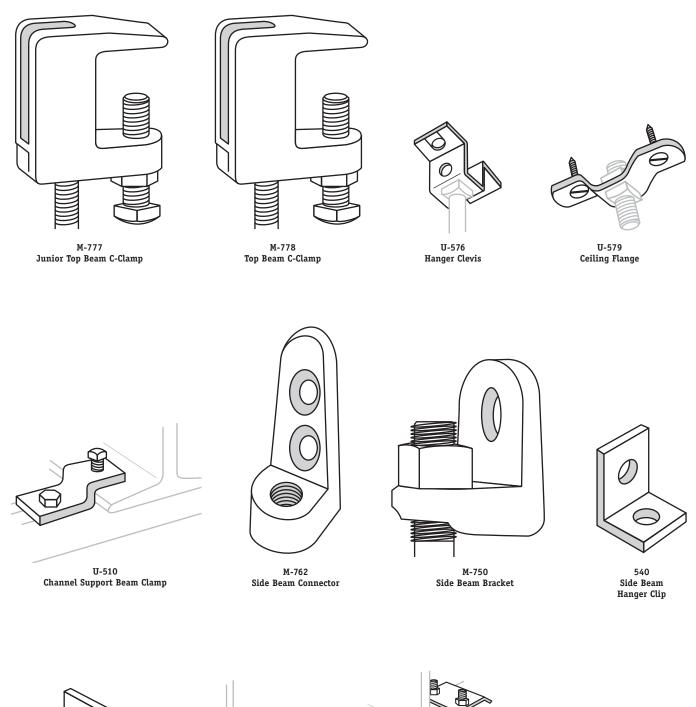


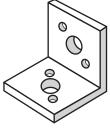
C-778 Steel Wide Jaw Top Beam Clamp with Lock Nut

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BEAM CLAMPS/HANGER SUPPORTS

BEAM CLAMPS/HANGER SUPPORTS





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Side Beam

Hanger Clip

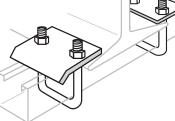
QUICK



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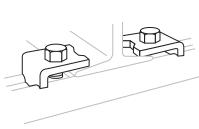


U-514-A Channel Support Beam Clamp



U-501, U-502 Channel Support I-Beam Clamp

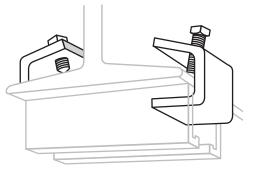
14



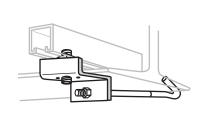
512 Channel Support Beam Clamp

BEAM CLAMPS/HANGER SUPPORTS

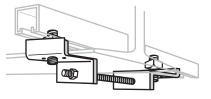
BEAM CLAMPS/HANGER SUPPORTS



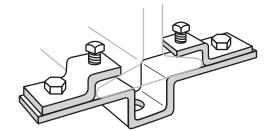
U-514 Channel Support Beam Clamp



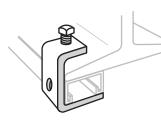
U-504 Channel Support I-Beam Clamp



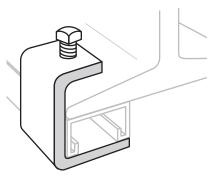
U-505 Channel Support I-Beam Clamp



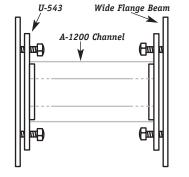
U-520 Series Channel Support Beam Clamp



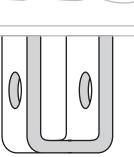
U-515 Channel Support Beam Clamp



U-515-B Channel Support Beam Clamp

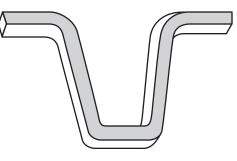


U-543 Adjusting Screw End Caps



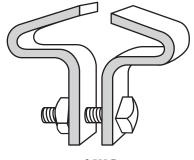
C-780 W/O HDW Welded Beam Attachment without Hardware

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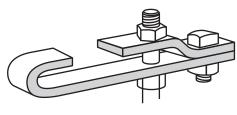


C-747 Adjustable Beam Attachment

REFERENCE GUIDE



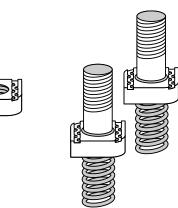
C-755 T Standard Beam Clamp



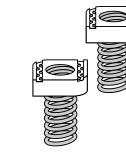
C-769 Side Beam Clamp

Channel Nuts

CHANNEL NUTS/SEISMIC BRACING



A-182 to A-185 Regular Spring Stud Nut



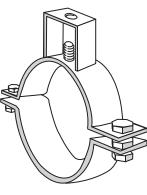
UC-100 Nylon Cone Nut

A-100 Regular Spring Nut

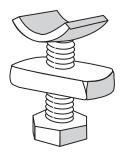
B-100 Short Spring Nut

AB-100 Springless Nut

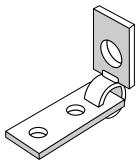




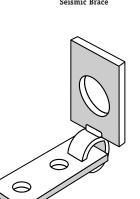
S-720 Adjustable Pipe Hanger



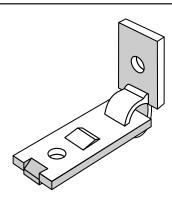
 $ES-142 - \frac{1}{2} \times 1\frac{1}{2}$ Seismic Bracing Rod Stiffener Connector



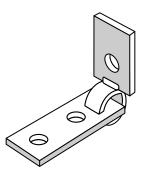
C-749-N-7/8 Seismic Brace



C-749-N-1-¹/8 Standard Seismic Brace



C-749-N Standard Seismic Brace



C-749-N-⁵/8 Standard Seismic Brace

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